

**Please insert the following Abstract:**

A method of producing lime water comprising deionising dilution water by membrane filtration, distillation or an ion exchange resin and adding silicate ions to the deionised water. Thereafter, the deionised water treated with the silicate ions is mixed with milk of lime to form lime water. In one embodiment, the milk of lime and dilution water are mixed in a saturator where the silicate ions are introduced.